

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

RD0817	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0817 Carlin						
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Earthen Levee						
Vegetation	0.07		0.07	0.76%		
Encroachments					0.06	
Slope Stability	1.11		1.11	12.08%		
Interior Drainage & Piping Systems						
Metal Pipes		0.01	0.04	0.44%		
Flap Gates		0.01	0.04	0.44%		
LMA Totals:	1.18	0.02	1.26	13.71%	0.06	0.00

Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles				
RD0817						
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00

Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles				
RD0817						
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Earthen Levee						
Vegetation	0.03		0.03	0.78%		
Encroachments					0.06	
Slope Stability	1.11		1.11	28.68%		
Unit Totals:	1.14	0.00	1.14	29.46%	0.06	0.00

Unit No. 03 Dry Creek RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.			
RD0817						
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Earthen Levee						
Vegetation	0.04		0.04	2.67%		
Interior Drainage & Piping Systems						
Metal Pipes		0.01	0.04	2.67%		
Flap Gates		0.01	0.04	2.67%		
Unit Totals:	0.04	0.02	0.12	8.00% *	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	3.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/19/2011 - 5/19/2011		11/28/2011 - 11/28/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Joe Conant RD 817		Joe Conant rd-817	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek						Left	3.82	11/28/2011 11/28/2011	Clay Thomas

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.05	3.79	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.984140 ° -121.505460 °	38.992890 ° -121.438350 °	1 Y
2	0.05	3.79	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.984140 ° -121.505460 °	38.992890 ° -121.438350 °	2 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.82	11/28/2011 11/28/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	3.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 2.91.

cathom\_f\_20111201\_031.jpg



Levee Mile Report Line	2
Start Levee Mile	0.05
End Levee Mile	3.79
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 2.91.

cathom\_f\_20111201\_032.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/19/2011 - 5/19/2011		11/28/2011 - 11/28/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Joe Conant		Joe Conant	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Bear River						Right	3.87	11/28/2011 11/28/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.27	0.27	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.984377 ° -121.501553 °	38.984377 ° -121.501553 °	1
2	0.32	0.32	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.984467 ° -121.500488 °	38.984467 ° -121.500488 °	2
3	0.39	0.39	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.984542 ° -121.499283 °	38.984542 ° -121.499283 °	3
4	0.53	0.53	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.984763 ° -121.496697 °	38.984763 ° -121.496697 °	4
5	0.59	0.59	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.984895 ° -121.495520 °	38.984895 ° -121.495520 °	5
6	1.76	1.82	Earthen Levee	Encroachments	LS	PO	Landscaping	38.987792 ° -121.474295 °	38.988118 ° -121.473372 °	6
7	2.06	3.84	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.989316 ° -121.469176 °	38.993156 ° -121.437872 °	8 Y
8	2.06	3.84	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.989316 ° -121.469175 °	38.993157 ° -121.437872 °	7 Y
9	2.08	3.19	Earthen Levee	Slope Stability	LS	M	Repair slope instability.	38.989338 ° -121.468640 °	38.994124 ° -121.449448 °	10 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	11/28/2011 11/28/2011	Clay Thomas

Levee Mile Report Line	7
Start Levee Mile	2.06
End Levee Mile	3.84
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 2.69.

cathom\_f\_20111202\_833.jpg



Levee Mile Report Line	8
Start Levee Mile	2.06
End Levee Mile	3.84
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 2.69.

cathom\_f\_20111202\_834.jpg



Levee Mile Report Line	9
Start Levee Mile	2.08
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Levee mile 2.08, this photo shows the slope is less than required, this is the downstream limit of the site, this is the waterside slope.

cathom\_f\_20110929\_832.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
--	--	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 03 Dry Creek			Right	1.50

  

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	5/19/2011 - 5/19/2011		11/28/2011 - 11/28/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Dry Creek						Right	1.50	11/28/2011 11/28/2011	Clay Thomas

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.27	1.45	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.987720 ° -121.506300 °	38.998900 ° -121.490020 °	6 Y
2	0.27	1.45	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.987720 ° -121.506300 °	38.998900 ° -121.490020 °	7 Y
3	0.32	0.32	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.988140 ° -121.505213 °	38.988140 ° -121.505213 °	1
4	0.58	0.58	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.990330 ° -121.501122 °	38.990330 ° -121.501122 °	2
5	0.70	0.70	Interior Drainage & Piping Systems	Flap Gates	WS	U		38.991178 ° -121.499774 °	38.991178 ° -121.499774 °	9 Y
6	0.70	0.70	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.991320 ° -121.499368 °	38.991320 ° -121.499368 °	3
7	0.75	0.75	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.991758 ° -121.498702 °	38.991758 ° -121.498702 °	4
8	1.18	1.18	Interior Drainage & Piping Systems	Metal Pipes	WS	U		38.995873 ° -121.493130 °	38.995873 ° -121.493130 °	10 Y
9	1.33	1.50	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	38.997588 ° -121.491121 °	38.999736 ° -121.489957 °	5

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Dry Creek	Right	1.50	11/28/2011 11/28/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.27
End Levee Mile	1.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.50.

cathom\_f\_20111201\_033.jpg



Levee Mile Report Line	2
Start Levee Mile	0.27
End Levee Mile	1.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.50.

cathom\_f\_20111201\_034.jpg



Levee Mile Report Line	5
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

Levee mile 0.70, this is a photo of a missing flap gate at the waterside berm.

cathom\_f\_20110929\_833.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor

N : Not Inspected, see Inspector Comment    C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Dry Creek	Right	1.50	11/28/2011 11/28/2011	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Metal Pipes

Levee mile 1.18, this is a photo of a damaged pipe at the waterside berm.

cathom\_f\_20110929\_834.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor